



CHRISTIAN MEDICAL COLLEGE  
DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
All Analyser Summary Report - January 2023



PC-1024

Lab Name	CENTRAL AYURVEDA RESEARCH INSTITUTE	Lab No	17988
Constituent Group	Chemistry I	Date of Result Entered	19/01/2023
PT item	Lyophilized human serum based	Date of Report Published	09/02/2023

Sl.No	Constituent Name	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Siemens ( Advia Series / Dimension Series )	29	174.50	5.11	8.91			3.31
			Mindray	216	174.48	5.16	9.01			1.23
			Biosystems	223	172.51	5.55	9.58			1.28
			Transasia / Erba	833	180.45	5.35	9.65	194 mg/dL	1.40	0.67
			Agape	163	177.82	4.74	8.42			1.32
			Randox rX Series	46	177.25	5.75	10.20			3.01
			CPC ( Turbochem 100 / 240 Prime )	69	171.92	6.37	10.95			2.64
			Any Analyser (Automation / Semi Automation )	962	168.13	7.18	12.07			0.78
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	286	29.31	6.39	1.87			0.22
			Beckman AU480/680/5800/DXC700AU	184	30.23	5.64	1.70			0.25
			Siemens ( Advia Series / Dimension Series )	115	30.23	6.46	1.95			0.36
			Mindray	234	31.03	7.65	2.38			0.31
			Biosystems	198	30.04	10.42	3.13			0.45
			Transasia / Erba	816	30.96	8.71	2.70	32 mg/dL	0.39	0.19
			Agape	188	31.30	8.45	2.64			0.39
			Randox rX Series	41	28.85	10.87	3.14			0.98
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Roche C111, C311, Integra 400 plus, C501, C502, C702	250	1.42	6.40	0.09			0.01
			Beckman AU480/680/5800/DXC700AU	132	1.42	7.72	0.11			0.02
			Siemens ( Advia Series / Dimension Series )	105	1.50	6.28	0.09			0.02
			Mindray	132	1.40	10.31	0.14			0.03
			Biosystems	161	1.39	11.98	0.17			0.03
			Transasia / Erba	413	1.45	11.61	0.17	1.59 mg/dL	0.83	0.02
			Agape	105	1.40	8.84	0.12			0.02
			Randox rX Series	32	1.41	8.04	0.11			0.04
			CPC ( Turbochem 100 / 240 Prime )	60	1.46	9.45	0.14			0.04

			Any Analyser (Automation / Semi Automation )	767	1.40	10.99	0.15			0.01
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Roche C111, C311, Integra 400 plus, C501, C502, C702	280	2.97	5.73	0.17			0.02
			Beckman AU480/680/5800/DXC700AU	142	3.41	3.90	0.13			0.02
			Siemens ( Advia Series / Dimension Series )	114	3.21	5.02	0.16			0.03
			Mindray	215	3.04	10.36	0.32			0.04
			Biosystems	173	3.06	14.69	0.45			0.07
			Transasia / Erba	839	3.12	10.70	0.33	3.28 mg/dL	0.48	0.02
			Agape	156	3.21	9.61	0.31			0.05
			Randox rX Series	29	3.50	7.74	0.27			0.10
			CPC ( Turbochem 100 / 240 Prime )	59	3.00	11.72	0.35			0.09
			Any Analyser (Automation / Semi Automation )	835	3.43	15.36	0.53			0.04
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	285	5.00	4.16	0.21			0.02
			Beckman AU480/680/5800/DXC700AU	177	4.96	3.93	0.20			0.03
			Siemens ( Advia Series / Dimension Series )	117	5.12	3.25	0.17			0.03
			Mindray	247	5.26	7.07	0.37			0.05
			Biosystems	209	5.42	7.01	0.38			0.05
			Transasia / Erba	820	5.58	7.50	0.42	5.92 g/dL	0.81	0.03
			Agape	184	5.38	6.33	0.34			0.05
			Randox rX Series	47	5.19	6.63	0.34			0.10
			CPC ( Turbochem 100 / 240 Prime )	66	5.01	9.48	0.48			0.12
			Any Analyser (Automation / Semi Automation )	956	5.25	9.77	0.51			0.03
6	ALBUMIN	BCG - colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	274	3.28	4.24	0.14			0.02
			Beckman AU480/680/5800/DXC700AU	172	3.10	4.16	0.13			0.02
			Siemens ( Advia Series / Dimension Series )	45	3.12	4.71	0.15			0.04
			Mindray	248	3.29	6.90	0.23			0.03
			Biosystems	201	3.21	9.09	0.29			0.04
			Transasia / Erba	872	3.27	5.69	0.19	3.34 g/dL	0.38	0.01
			Agape	179	3.49	4.98	0.17			0.03
			Randox rX Series	43	3.26	3.77	0.12			0.04
			CPC ( Turbochem 100 / 240 Prime )	71	3.30	6.23	0.21			0.05
			Any Analyser (Automation / Semi Automation )	674	3.31	8.11	0.27			0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	167	9.23	3.37	0.31			0.05
			Mindray	209	9.32	6.06	0.56			0.08
			Biosystems	125	9.47	7.70	0.73			0.13
			Transasia / Erba	603	9.60	7.91	0.76	10.9 mg/dL	1.71	0.06
			Agape	141	9.71	5.02	0.49			0.08

			Randox rX Series	37	9.39	4.08	0.38			0.13
			CPC ( Turbochem 100 / 240 Prime )	57	9.76	6.57	0.64			0.17
			Any Analyser (Automation / Semi Automation )	865	9.49	6.54	0.62			0.04
8	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	278	4.29	3.70	0.16			0.02
			Beckman AU480/680/5800/DXC700AU	174	4.30	3.77	0.16			0.02
			Siemens ( Advia Series / Dimension Series )	108	4.38	3.74	0.16			0.03
			Mindray	254	4.42	7.46	0.33			0.04
			Biosystems	198	5.20	8.76	0.46			0.06
			Transasia / Erba	823	4.88	9.34	0.46	4.9 mg/dL	0.04	0.03
			Agape	191	4.52	9.40	0.42			0.06
			Randox rX Series	45	4.38	7.68	0.34			0.10
			CPC ( Turbochem 100 / 240 Prime )	69	4.55	9.95	0.45			0.11
			Any Analyser (Automation / Semi Automation )	939	4.83	16.02	0.77			0.05
9	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	291	109.71	3.58	3.93			0.46
			Beckman AU480/680/5800/DXC700AU	177	110.67	5.66	6.27			0.94
			Siemens ( Advia Series / Dimension Series )	116	91.53	5.47	5.01			0.93
			Mindray	258	110.10	7.02	7.73			0.96
			Biosystems	203	113.00	6.95	7.85			1.10
			Transasia / Erba	847	106.43	8.10	8.62	111 mg/dL	0.53	0.59
			Agape	197	106.07	6.43	6.82			0.97
			Randox rX Series	50	121.14	7.71	9.34			2.64
			CPC ( Turbochem 100 / 240 Prime )	67	109.95	7.96	8.75			2.14
			Any Analyser (Automation / Semi Automation )	974	113.44	5.89	6.68			0.43
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche C111, C311, Integra 400 plus, C501, C502, C702	268	116.83	4.09	4.78			0.58
			Beckman AU480/680/5800/DXC700AU	172	105.87	5.66	5.99			0.91
			Siemens ( Advia Series / Dimension Series )	112	107.45	5.24	5.63			1.06
			Mindray	247	110.57	8.64	9.55			1.22
			Biosystems	187	107.12	9.66	10.35			1.51
			Transasia / Erba	818	90.47	9.90	8.95	83.9 mg/dL	-0.73	0.63
			Agape	187	103.78	6.80	7.06			1.03
			Randox rX Series	49	117.62	7.37	8.67			2.48
			CPC ( Turbochem 100 / 240 Prime )	56	102.44	9.57	9.80			2.62
			Any Analyser (Automation / Semi Automation )	935	109.13	7.82	8.54			0.56
11	HDL	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	270	22.88	5.39	1.23			0.15

			Beckman AU480/680/5800/DXC700AU	164	24.66	7.19	1.77			0.28
			Siemens ( Advia Series / Dimension Series )	103	27.62	6.15	1.70			0.33
			Mindray	198	24.79	9.10	2.26			0.32
			Biosystems	129	27.35	12.31	3.37			0.59
			Transasia / Erba	652	26.78	9.81	2.63	27.8 mg/dL	0.39	0.21
			Agape	162	25.79	9.23	2.38			0.37
			Randox rX Series	37	24.18	10.89	2.63			0.87
			CPC ( Turbochem 100 / 240 Prime )	38	25.19	16.90	4.26			1.38
			Any Analyser (Automation / Semi Automation )	780	30.17	20.45	6.17			0.44
12	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	275	49.41	5.48	2.71			0.33
			Beckman AU480/680/5800/DXC700AU	169	54.62	5.71	3.12			0.48
			Siemens ( Advia Series / Dimension Series )	108	63.12	7.50	4.74			0.91
			Mindray	243	50.52	8.91	4.50			0.58
			Biosystems	197	57.68	9.34	5.39			0.77
			Transasia / Erba	827	51.39	10.89	5.60	52.3 U/L	0.16	0.39
			Agape	182	48.99	9.47	4.64			0.69
			Randox rX Series	44	53.67	8.12	4.36			1.31
			CPC ( Turbochem 100 / 240 Prime )	65	51.52	13.38	6.90			1.71
			Any Analyser (Automation / Semi Automation )	967	50.29	10.00	5.03			0.32
13	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	270	58.30	7.71	4.50			0.55
			Beckman AU480/680/5800/DXC700AU	168	63.10	7.19	4.54			0.70
			Siemens ( Advia Series / Dimension Series )	109	70.14	9.46	6.64			1.27
			Mindray	242	63.59	11.39	7.24			0.93
			Biosystems	192	67.09	11.82	7.93			1.14
			Transasia / Erba	817	61.18	12.22	7.48	65.3 U/L	0.55	0.52
			Agape	170	63.25	14.09	8.91			1.37
			Randox rX Series	41	64.44	11.64	7.50			2.34
			CPC ( Turbochem 100 / 240 Prime )	48	60.00	12.29	7.37			2.13
			Any Analyser (Automation / Semi Automation )	958	57.78	13.00	7.51			0.49
14	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	277	102.16	6.36	6.50			0.78
			Beckman AU480/680/5800/DXC700AU	166	115.65	10.07	11.64			1.81
			Siemens ( Advia Series / Dimension Series )	99	98.50	4.54	4.47			0.90
			Mindray	173	116.96	14.74	17.24			2.62
			Biosystems	198	113.44	13.26	15.05			2.14

		Transasia / Erba	785	105.43	15.29	16.12	110 U/L	0.28	1.15
		Agape	78	129.63	17.98	23.31			5.28
		Randox rX Series	35	107.76	8.36	9.01			3.05
		CPC ( Turbochem 100 / 240 Prime )	61	115.65	12.32	14.25			3.65
		Any Analyser (Automation / Semi Automation )	793	101.50	10.81	10.97			0.78

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within ±1.01 to ±2.00	Good.
Within ±2.01 to ±2.99	Accept with caution. Warning Signal.
Beyond ±3.0	Unacceptable performance. Action Signal.

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